CLAIMS

- 1. A composition for delivery of zaleplon consisting of a condensation aerosol
- a. formed by volatilizing a thin layer of zaleplon on a solid support, having the surface texture of a metal foil, to a temperature sufficient to produce a heated vapor of zaleplon and condensing the heated vapor of zaleplon to form condensation aerosol particles,
- b. wherein said condensation aerosol particles are characterized by less than
 5% zaleplon degradation products, and
 - c. the condensation aerosol has an MMAD of less than 3 microns.
- 2. The composition according to Claim 1, wherein the aerosol particles are formed at a rate of at least 10⁹ particles per second.
- 3. The composition according to Claim 2, wherein the aerosol particles are formed at a rate of at least 10¹⁰ particles per second.
- 4. A composition for delivery of zolpidem consisting of a condensation aerosol
- a. formed by volatilizing a thin layer of zolpidem on a solid support, having the surface texture of a metal foil, to a temperature sufficient to produce a heated vapor of zolpidem and condensing the heated vapor of zolpidem to form condensation aerosol particles,
- b. wherein said condensation aerosol particles are characterized by less than 5% zolpidem degradation products, and
 - c. the condensation aerosol has an MMAD of less than 3 microns.
- 5. The composition according to Claim 4, wherein the aerosol particles are formed at a rate of at least 10⁹ particles per second.

- 6. The composition according to Claim 5, wherein the aerosol particles are formed at a rate of at least 10¹⁰ particles per second.
- 7. A composition for delivery of zopiclone consisting of a condensation aerosol
- a. formed by volatilizing a thin layer of zopiclone on a solid support, having the surface texture of a metal foil, to a temperature sufficient to produce a heated vapor of zopiclone and condensing the heated vapor of zopiclone to form condensation aerosol particles,
- b. wherein said condensation aerosol particles are characterized by less than
 5% zopiclone degradation products, and
 - c. the condensation aerosol has an MMAD of less than 3 microns.
- 8. The composition according to Claim 7, wherein the aerosol particles are formed at a rate of at least 10⁹ particles per second.
- 9. The composition according to Claim 8, wherein the aerosol particles are formed at a rate of at least 10^{10} particles per second.
 - 10. A method of producing zaleplon in an aerosol form comprising:
- a. heating a thin layer of zaleplon on a solid support, having the surface texture of a metal foil, to a temperature sufficient to volatilize the zaleplon to form a heated vapor of the zaleplon, and
- b. during said heating, passing air through the heated vapor to produce aerosol particles of the zaleplon comprising less than 5% zaleplon degradation products, and an aerosol having an MMAD of less than 3 microns.
- 11. The method according to Claim 10, wherein the aerosol particles are formed at a rate of greater than 10^9 particles per second.

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12. The method according to Claim 11, wherein the aerosol particles are formed at a rate of greater than 10^{10} particles per second

- 13. A method of producing zolpidem in an aerosol form comprising:
- a. heating a thin layer of zolpidem on a solid support, having the surface texture of a metal foil, to a temperature sufficient to volatilize the zolpidem to form a heated vapor of the zolpidem, and
- b. during said heating, passing air through the heated vapor to produce aerosol particles of the zolpidem comprising less than 5% zolpidem degradation products, and an aerosol having an MMAD of less than 3 microns.
- 14. The method according to Claim 13, wherein the aerosol particles are formed at a rate of greater than 10^9 particles per second.
- 15. The method according to Claim 14, wherein the aerosol particles are formed at a rate of greater than 10^{10} particles per second.
 - 16. A method of producing zopiclone in an aerosol form comprising:
- a. heating a thin layer of zopiclone on a solid support, having the surface texture of a metal foil, to a temperature sufficient to volatilize the zopiclone to form a heated vapor of the zopiclone, and
- b. during said heating, passing air through the heated vapor to produce aerosol particles of the zopiclone comprising less than 5% zopiclone degradation products, and an aerosol having an MMAD of less than 3 microns.
- 17. The method according to Claim 16, wherein the aerosol particles are formed at a rate of greater than 10^9 particles per second.
- 18. The method according to Claim 17, wherein the aerosol particles are formed at a rate of greater than 10^{10} particles per second.